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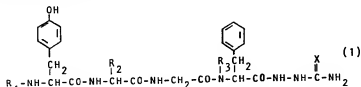
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(54) Tetrapeptidesemicarbazide derivatives and their production and use.

(57) Novel tetrapeptidesemicarbazide derivatives, inclusive of a pharmacologically acceptable salt thereof, which has the general formula (I):



wherein R₁ is hydrogen or lower alkyl; R₂ is hydrogen or a D-α-amino acid side chain; R₃ is hydrogen or lower alkyl; X is oxygen or sulfur, are useful as analgesics.

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DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl. 7)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
	<u>EP - A - 0 005 248 (TAKEDA)</u> * Pages 1-8, 90-92 * --	1,2,4, 9,10	C 07 C 103/52 A 61 K 37/02 C 07 C 133/00 159/00
	<u>DE - A - 1 133 396 (VEB)</u> * Complete specification * --	1,2,4, 9,10	
	<u>FR - A - 1 295 832 (CIBA)</u> * Pages 1-2 * --	1,2,4, 9,10	
	<u>EP - A - 0 001 684 (E. LILLY)</u> * Page 60, claims; figures 1-4 * --	1,2,4, 9,10	C 07 D 103/52 A 61 K 37/02
	<u>FR - A - 2 359 817 (RECKITT & COLMAN)</u> * Pages 1-5 * & GB - A - 1 577 115 ----	1,2,4, 9,10	
			TECHNICAL FIELDS SEARCHED (Int. Cl. 7)
			CATEGORY OF CITED DOCUMENTS
			X: particularly relevant A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: conflicting application D: document cited in the application L: citation for other reasons
1 The present search report has been drawn up for all claims			& member of the same patent family. corresponding document
Place of search	Date of completion of the search	Examiner	
The Hague	12-08-1981	RAJIC	